

Fig.1

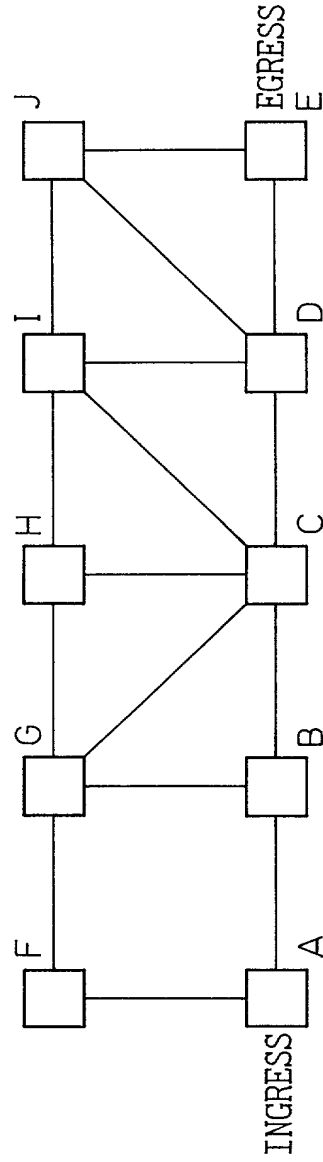


Fig.2

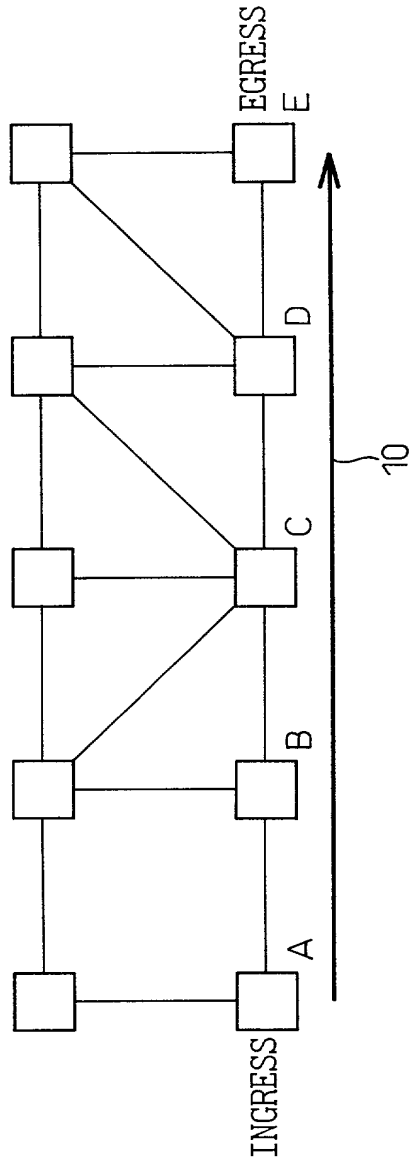


Fig.3

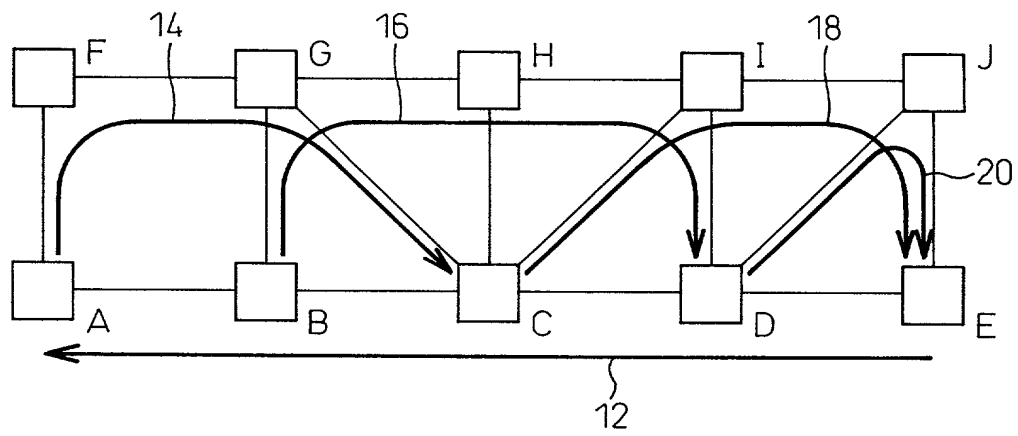


Fig.4

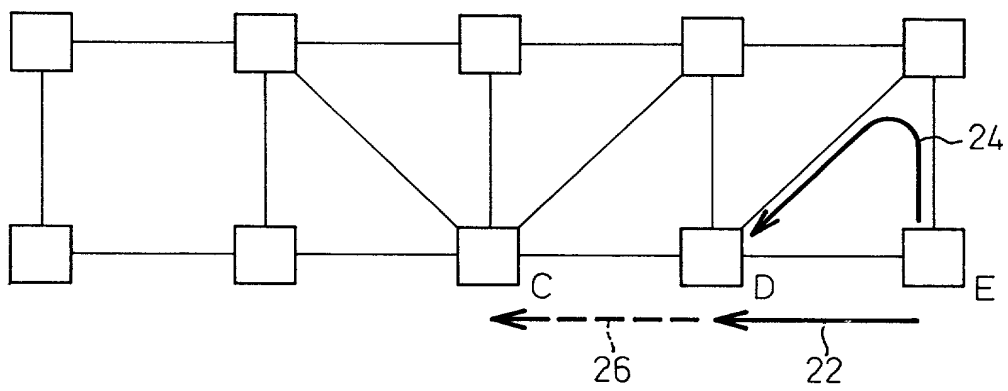


Fig. 5

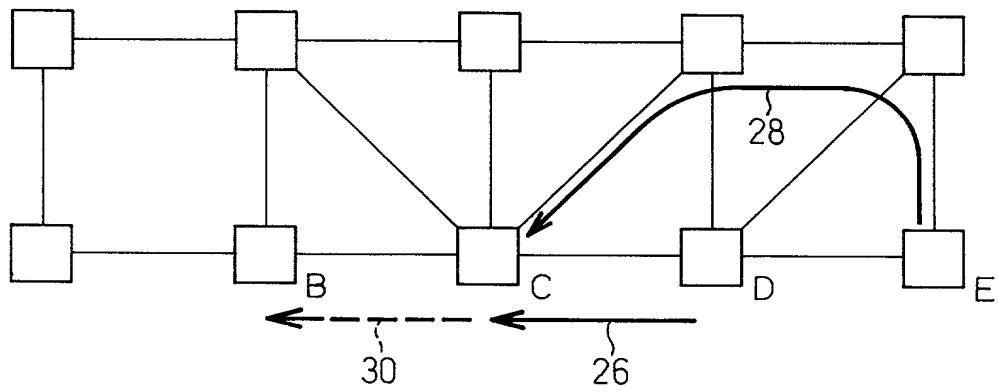


Fig. 6

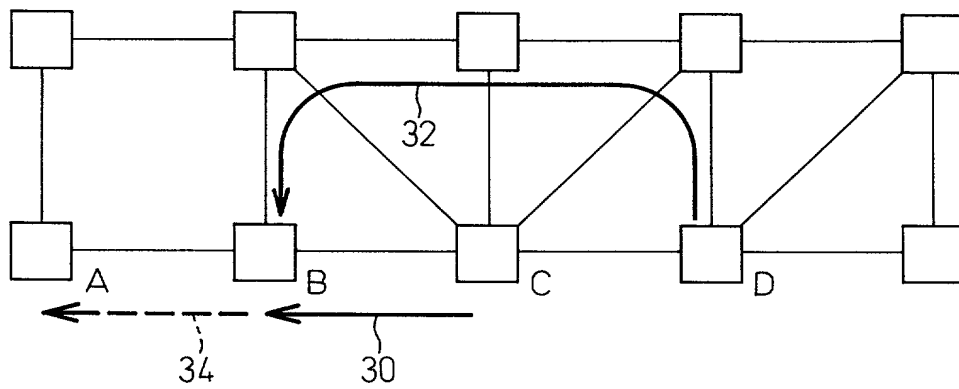


Fig.7

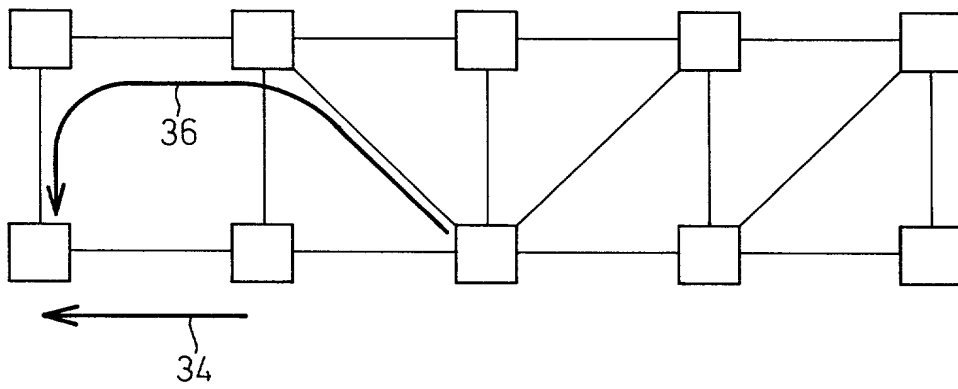


Fig.8

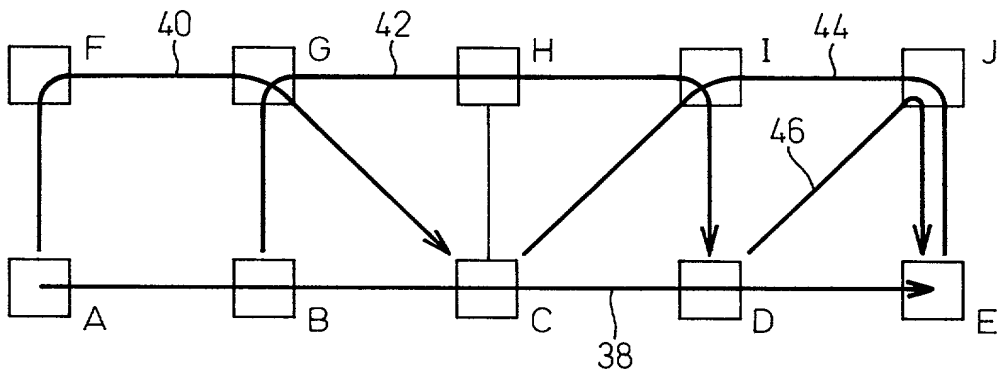


Fig. 9

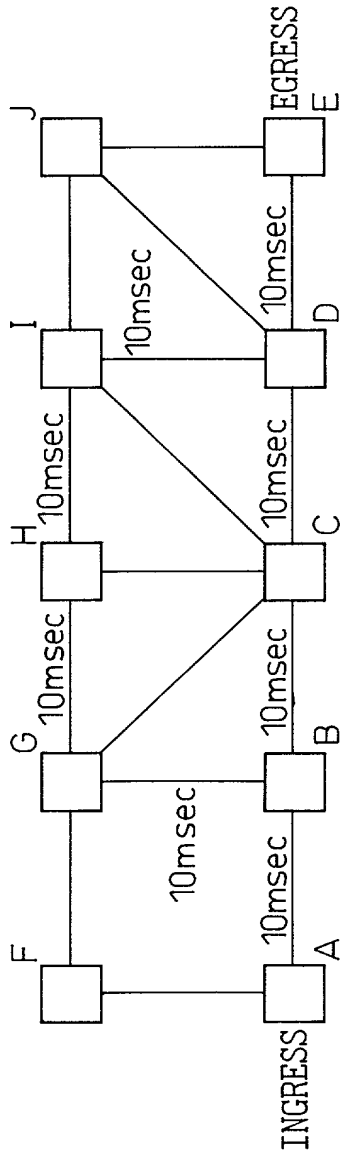


Fig.10

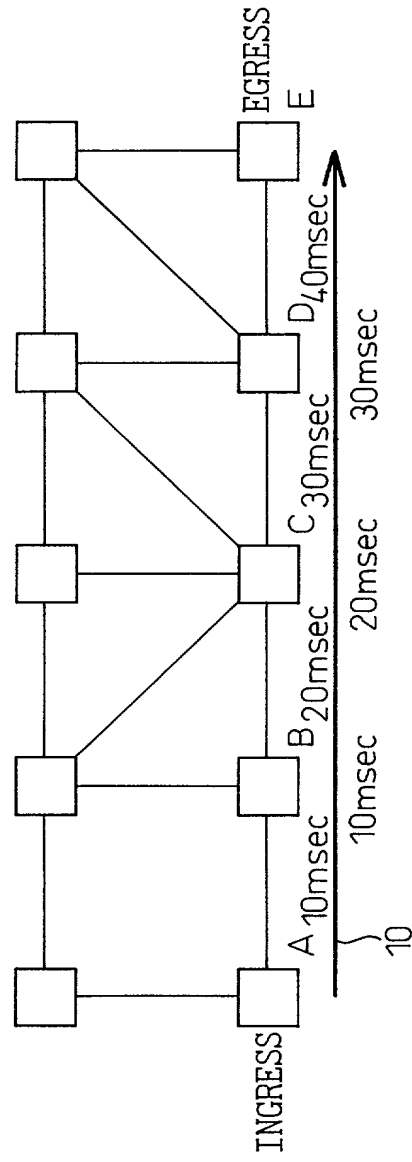


Fig.11

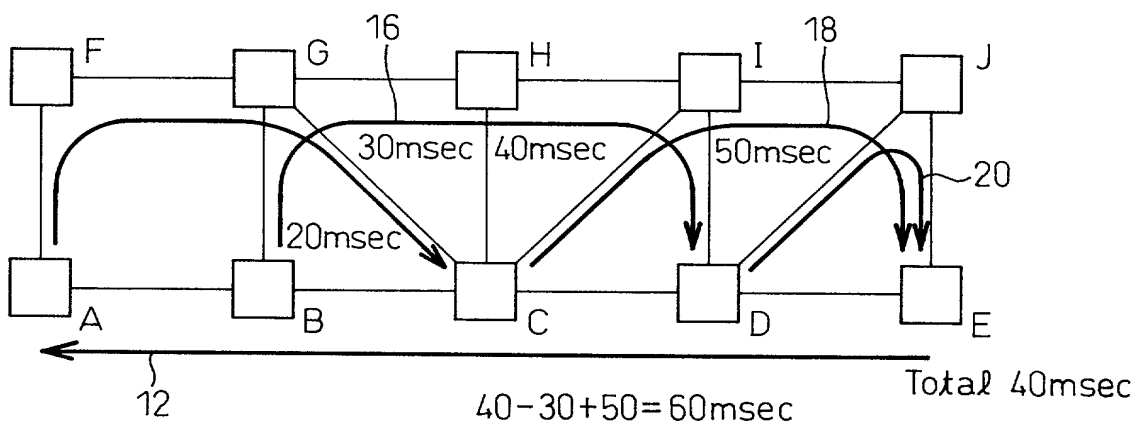




Fig.12

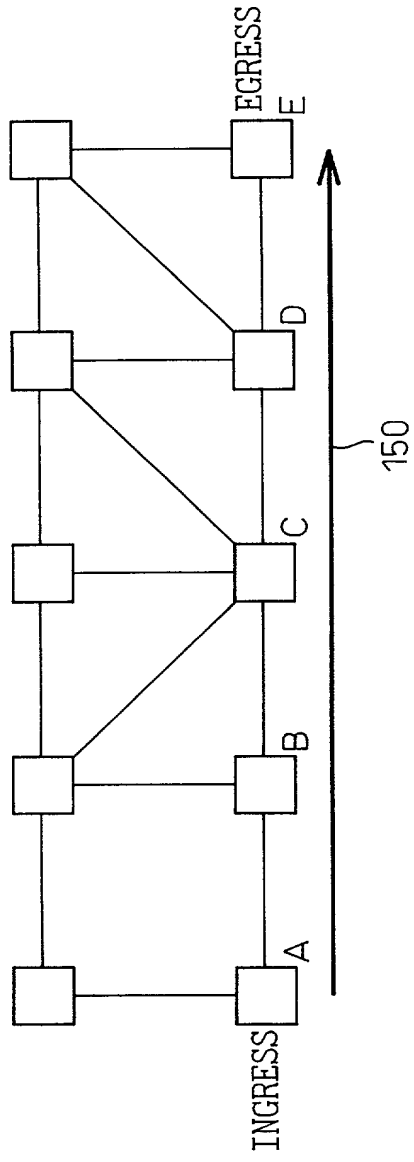


Fig.13

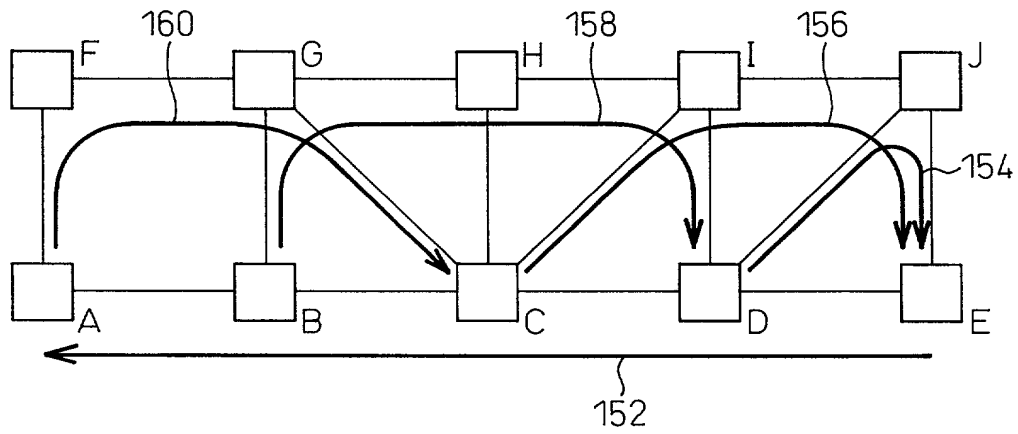


Fig.14

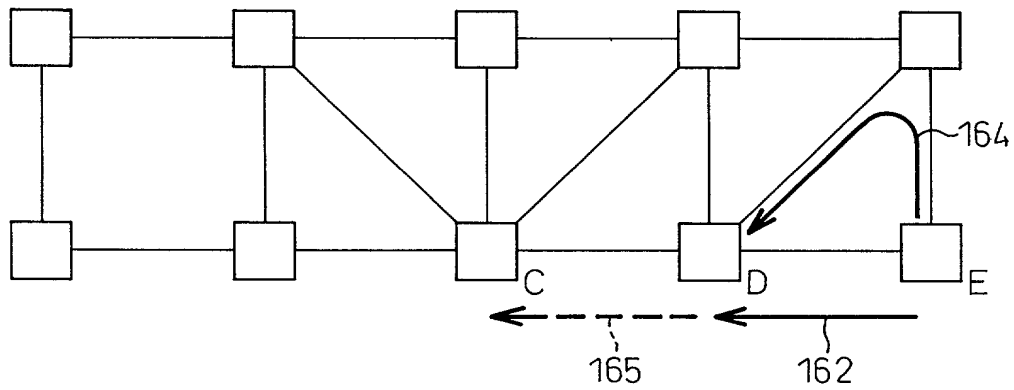


Fig.15

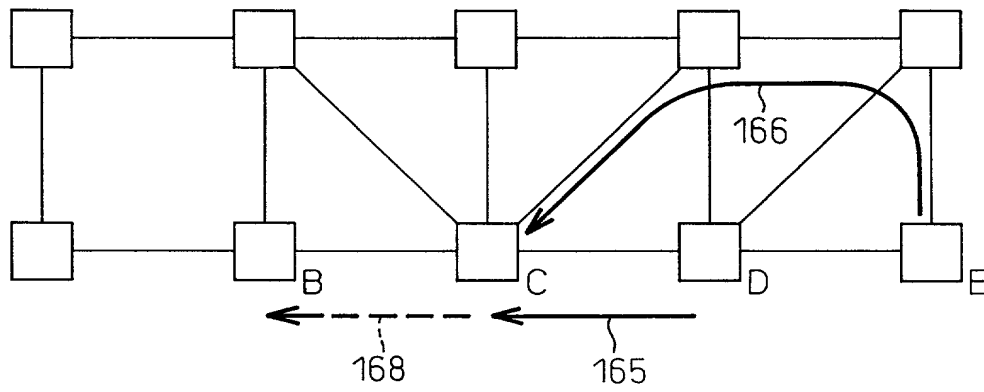


Fig.16

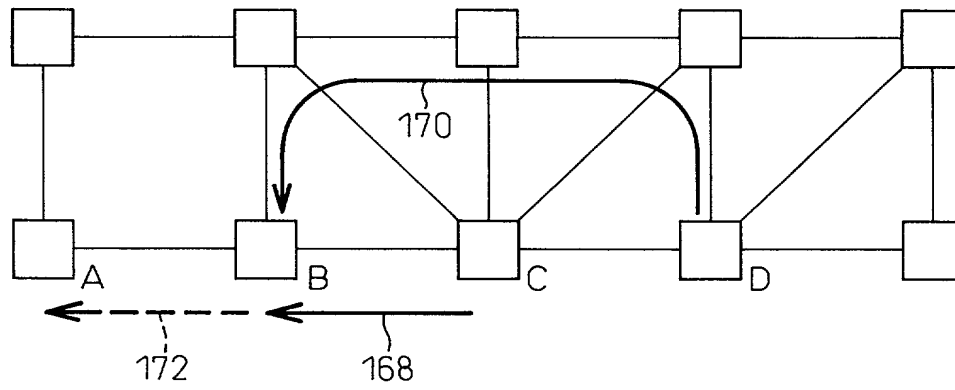


Fig.17

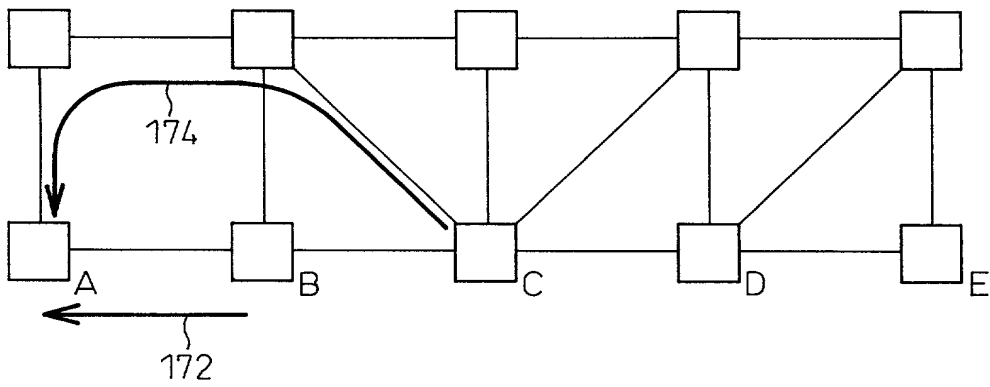


Fig.18

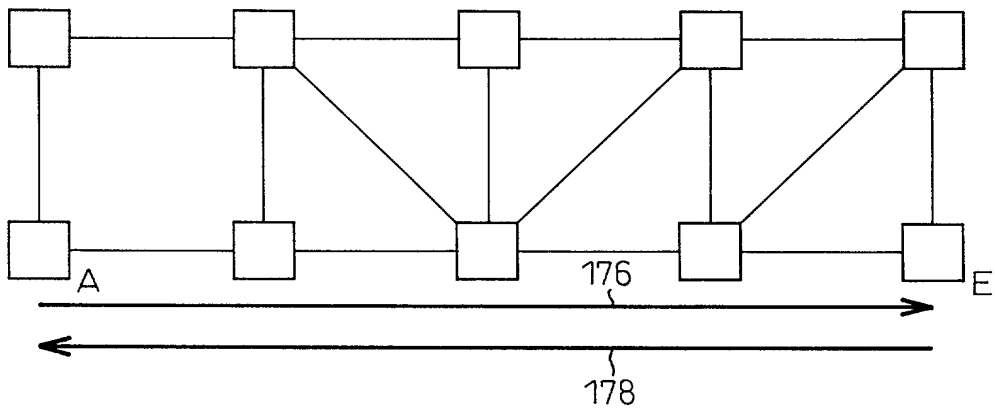


Fig.19

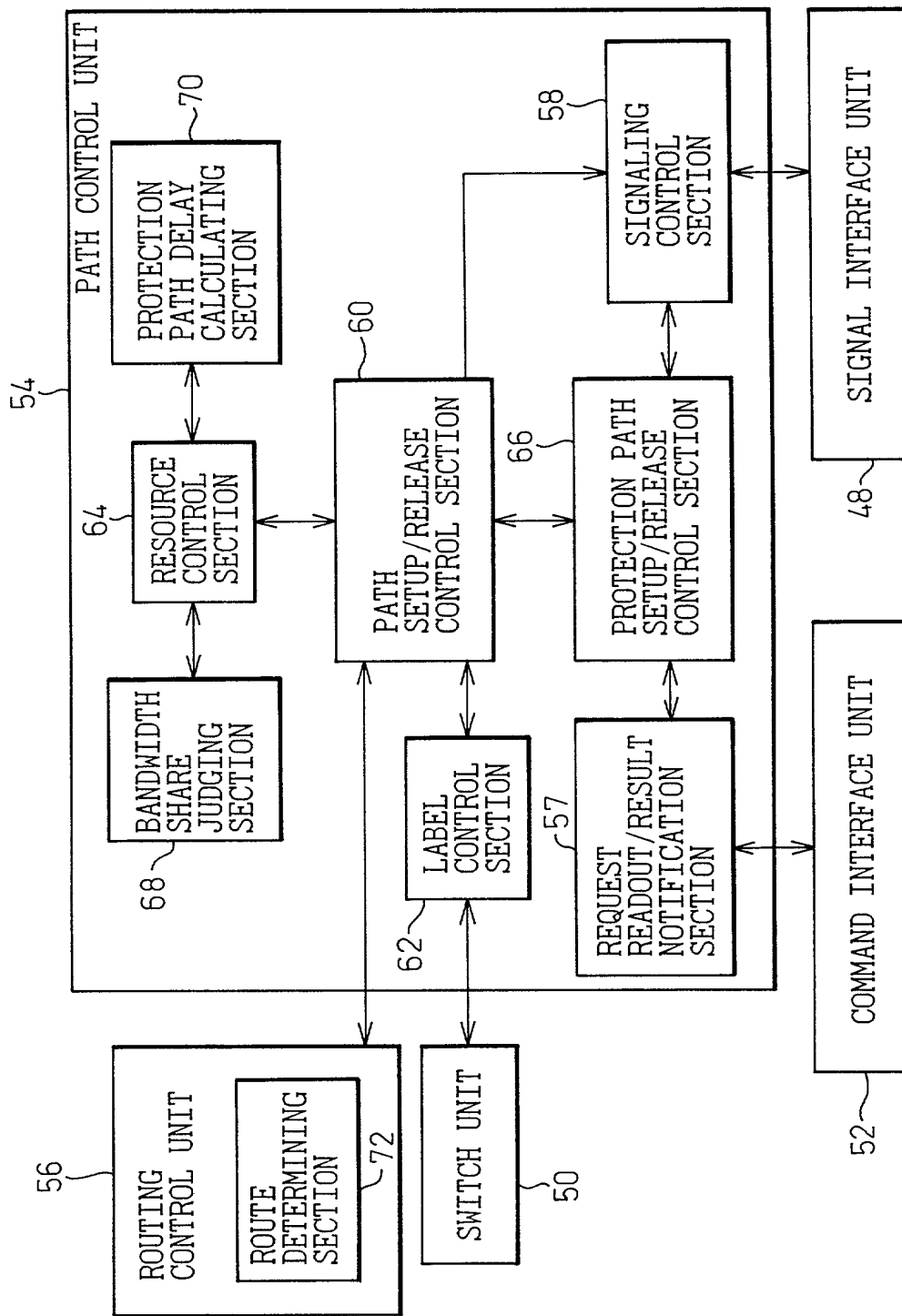


Fig. 20

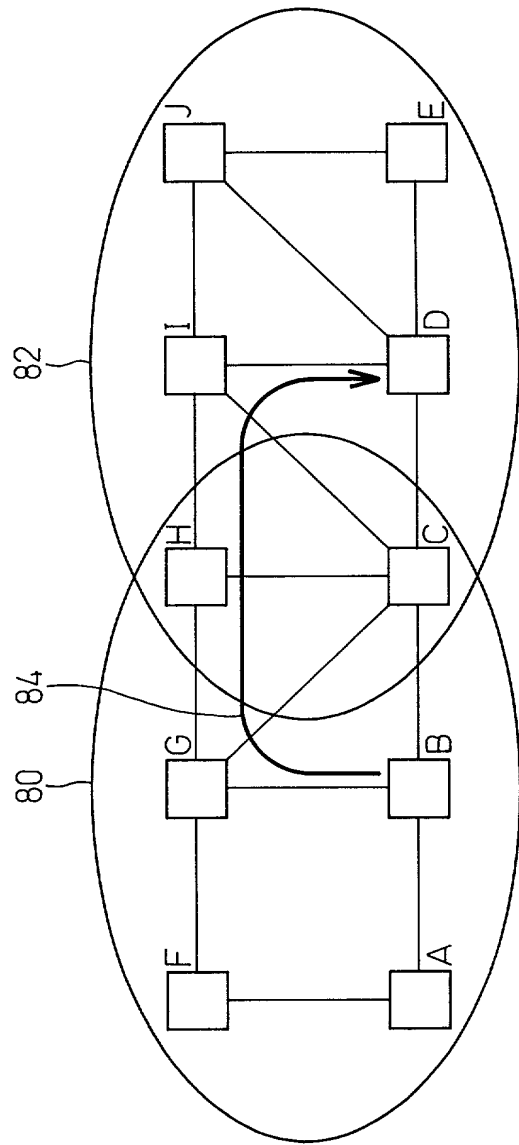


Fig. 21

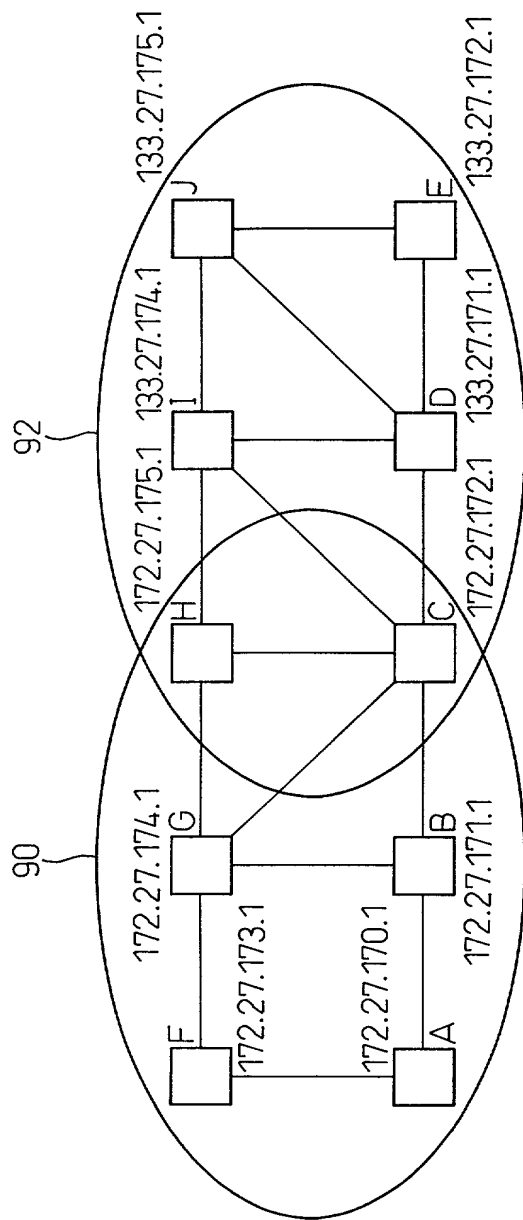


Fig.22

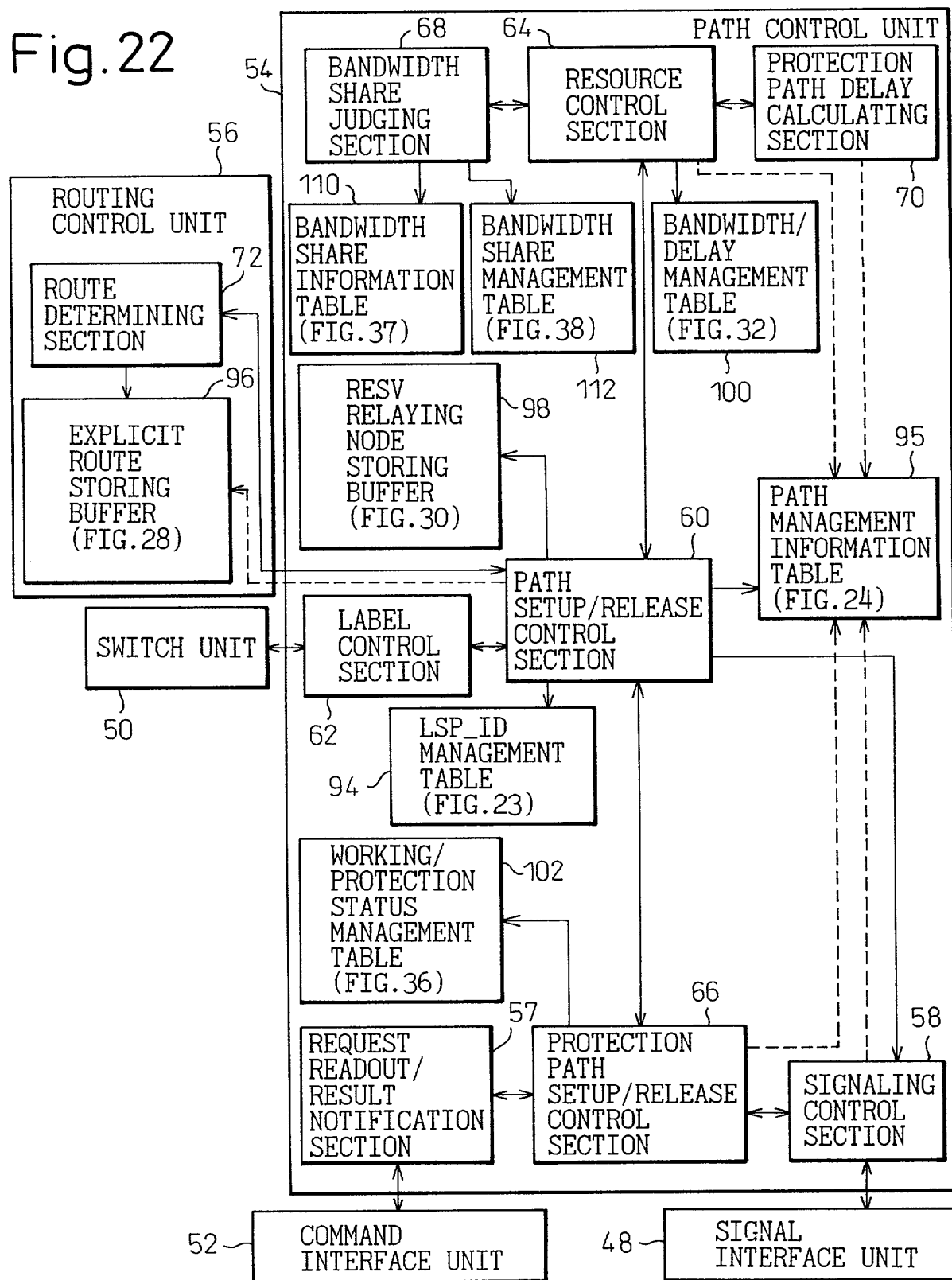
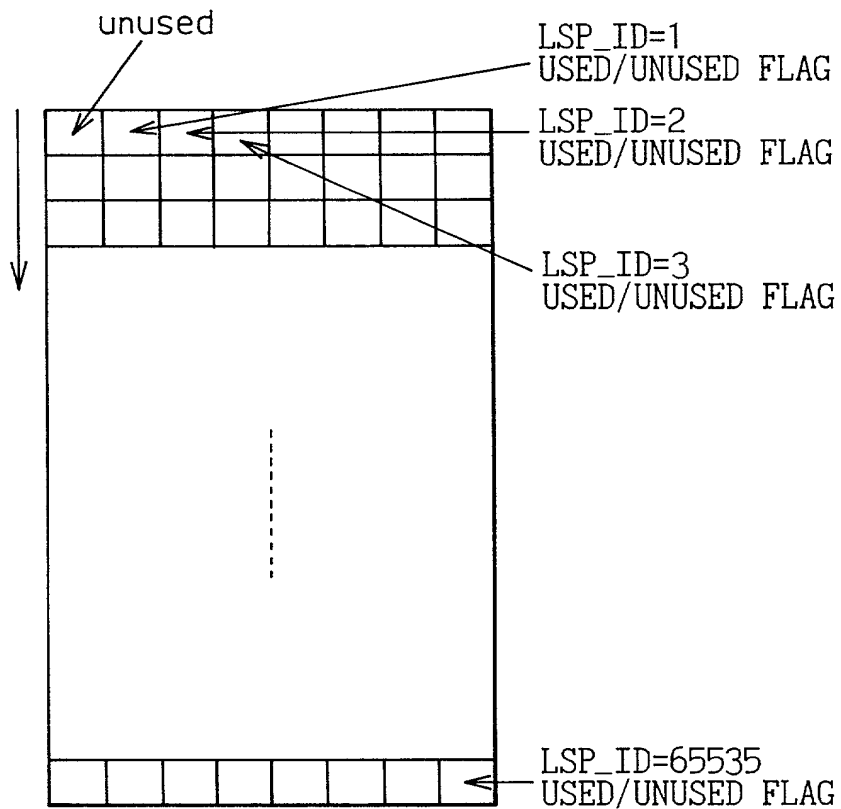




Fig.23



LSP\_ID MANAGEMENT TABLE

Fig.24

PATH ID	
	EGRESS OR PML NODE ID
	REQUIRED BANDWIDTH [Mbit/s]
	REQUIRED DELAY [ms]
	DELAY FROM INGRESS [ms]
	WORKING/PROTECTION IDENTIFICATION
	PROTECTION NEEDED/NOT-NEEDED
	PATH STATE
	OUTPUT PORT NUMBER
	INPUT PORT NUMBER
	EXPLICIT ROUTE STORING BUFFER ADDRESS
	END-TO-END DELAY
	RESV RELAYING NODE STORING BUFFER ADDRESS
	CORRESPONDING PATH ID

10039511-110901

Fig.25

INFORMATION SETUP IN PATH MANAGEMENT INFORMATION TABLE (WORKING PATH AT INGRESS NODE)		
FIELD NAME	SET VALUE	REMARKS
EGRESS OR PML NODE ID	133.27.172.1	
REQUIRED BANDWIDTH [Mbit/s]	10	
REQUIRED DELAY [ms]	100	
DELAY FROM INGRESS [ms]	0	
WORKING/PROTECTION IDENTIFICATION	0: WORKING	
PROTECTION NEEDED/NOT-NEEDED	1: PROTECTION NEEDED	SET UP DURING PATH MESSAGE PROCESSING
PATH STATE		
PATH STATE: 1: PATH BEING SET UP 2: PATH BEING RELEASED 3: COMMUNICATING		
OUTPUT PORT NUMBER	3	
INPUT PORT NUMBER	0 (NONE)	
EXPLICIT ROUTE STORING BUFFER ADDRESS	MEMORY ADDRESS	
END-TO-END DELAY		SET UP DURING RESV MESSAGE PROCESSING
RESV RELAYING NODE STORING BUFFER ADDRESS		
CORRESPONDING PATH ID		

Fig.26

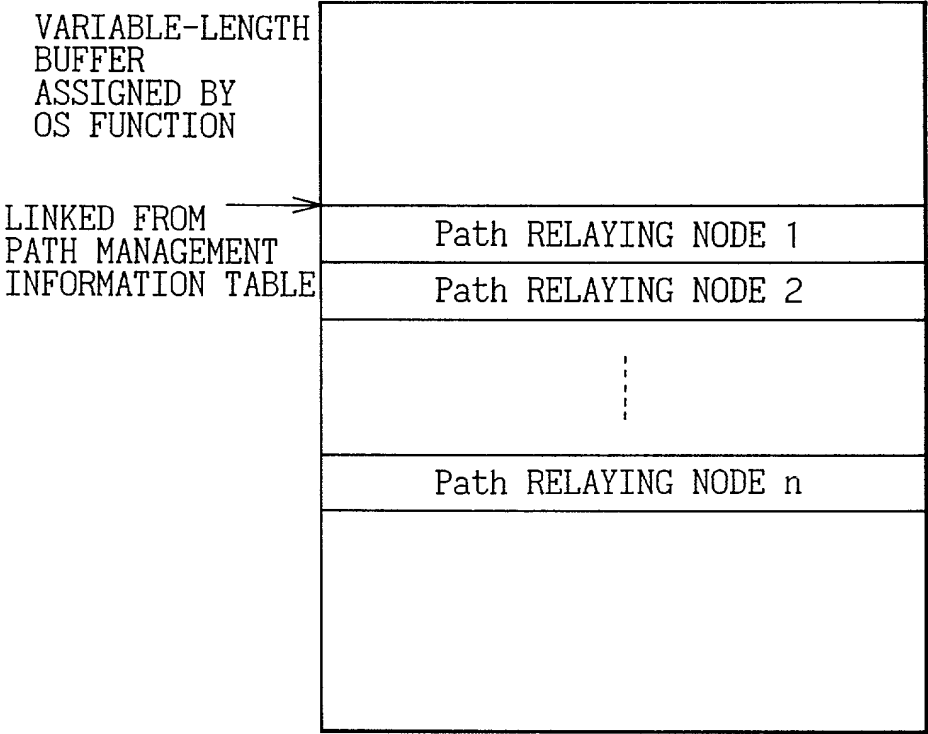
INFORMATION SETUP IN PATH MANAGEMENT INFORMATION TABLE (WORKING PATH AT NODE B)

FIELD NAME	SET VALUE	REMARKS
EGRESS OR PML NODE ID	133.27.172.1	
REQUIRED BANDWIDTH [Mbit/s]	10	
REQUIRED DELAY [ms]	100	
DELAY FROM INGRESS [ms]	10	
WORKING/PROTECTION IDENTIFICATION	0: WORKING	
PROTECTION NEEDED/NOT-NEEDED	1: PROTECTION NEEDED	SET UP DURING PATH MESSAGE PROCESSING
PATH STATE	PATH STATE: 1: PATH BEING SET UP 2: PATH BEING RELEASED 3: COMMUNICATING	
OUTPUT PORT NUMBER	1	
INPUT PORT NUMBER	2	
EXPLICIT ROUTE STORING BUFFER ADDRESS	MEMORY ADDRESS	
END-TO-END DELAY	40	SET UP DURING RESV MESSAGE PROCESSING
RESV RELAYING NODE STORING BUFFER ADDRESS	MEMORY ADDRESS	
CORRESPONDING PATH ID	NODE B (172.27.171)+ LSP_ID (2)	

Fig.27

INFORMATION SETUP IN PATH MANAGEMENT INFORMATION TABLE (PROTECTION PATH AT NODE B)			
FIELD NAME	SET VALUE	REMARKS	
EGRESS OR PML NODE ID	133.27.171.1		
REQUIRED BANDWIDTH [Mbit/s]	10		
REQUIRED DELAY [ms]	100		
DELAY FROM INGRESS [ms]	10		
WORKING/PROTECTION IDENTIFICATION	1: PROTECTION		
PROTECTION NEEDED/NOT-NEEDED	0: PROTECTION NOT NEEDED	SET UP DURING PATH MESSAGE PROCESSING	
PATH STATE			
PATH STATE:			
1: PATH BEING SET UP			
2: PATH BEING RELEASED			
3: COMMUNICATING			
OUTPUT PORT NUMBER	2		
INPUT PORT NUMBER	2		
EXPLICIT ROUTE STORING BUFFER ADDRESS	MEMORY ADDRESS		
END-TO-END DELAY	60	SET UP DURING RESV MESSAGE PROCESSING	
RESV RELAYING NODE STORING BUFFER ADDRESS	MEMORY ADDRESS		
CORRESPONDING PATH ID	NODE A (172.27.170)+ LSP_ID (1)		

Fig.28



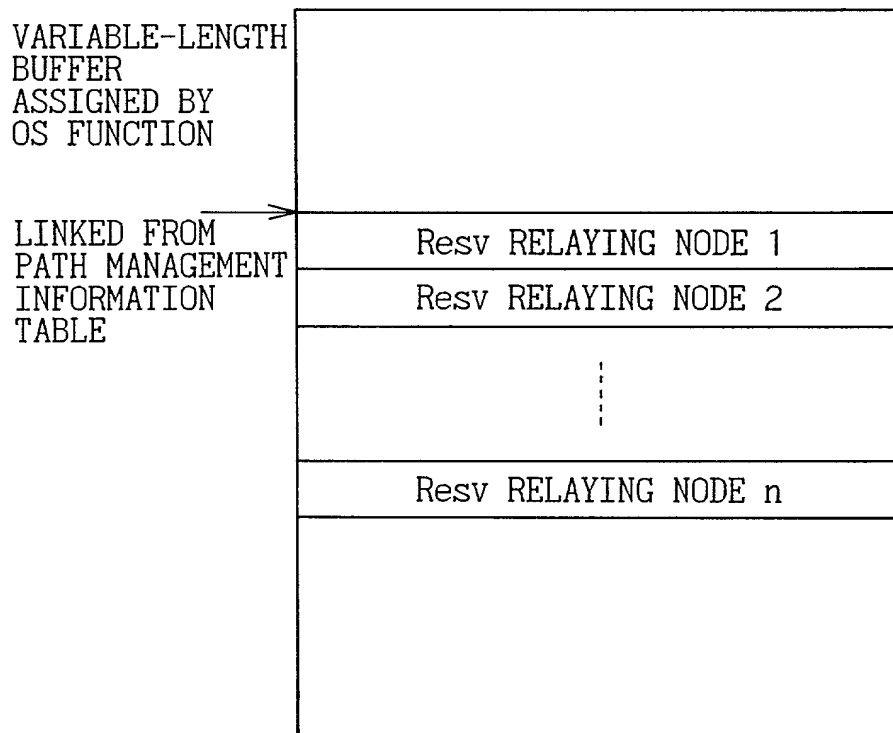
EXPLICIT ROUTE STORING BUFFER 96

Fig.29

INFORMATION SETUP IN EXPLICIT ROUTE STORING BUFFER  
(WORKING PATH AT INGRESS NODE)

FIELD NAME	SET VALUE
Path RELAYING NODE 1	172.27.171.1 (NODE B)
Path RELAYING NODE 2	172.27.172.1 (NODE C)

Fig.30



RESV RELAYING NODE  
STORING BUFFER



Fig.31

INFORMATION SETUP IN RESV RELAYING NODE STORING BUFFER  
(WORKING PATH AT NODE B)

FIELD NAME	SET VALUE
Resv RELAYING NODE 1	172.27.172.1 (NODE C)
Resv RELAYING NODE 2	133.27.171.1 (NODE D)
Resv RELAYING NODE 3	133.27.172.1 (NODE E)

Fig.32

INDEXED BY  
OUTPUT PORT  
NUMBER

PHYSICAL BANDWIDTH [Mbit/s]
BANDWIDTH IN USE [Mbit/s]
UNUSED BANDWIDTH [Mbit/s]
OUTPUT PORT PROPAGATION DELAY [ms]

BANDWIDTH/DELAY  
MANAGEMENT TABLE 100

10039511 110901

Fig.33

INFORMATION SETUP IN BANDWIDTH/DELAY MANAGEMENT TABLE  
(OUTPUT PORT 3 OF INGRESS NODE)

FIELD NAME	SET VALUE
PHYSICAL BANDWIDTH [Mbit/s]	10240
BANDWIDTH IN USE [Mbit/s]	5000
UNUSED BANDWIDTH [Mbit/s]	5240
OUTPUT PORT PROPAGATION DELAY [ms]	10

Fig.34

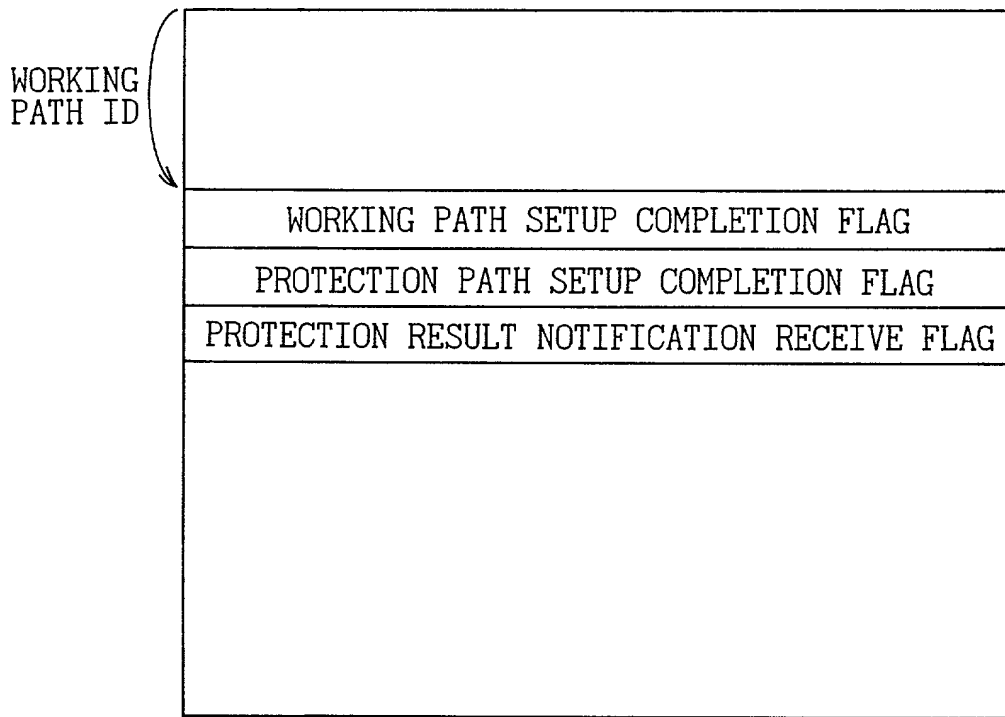
INFORMATION SETUP IN BANDWIDTH/DELAY MANAGEMENT TABLE  
(OUTPUT PORT 1 OF NODE B)

FIELD NAME	SET VALUE
PHYSICAL BANDWIDTH [Mbit/s]	10240
BANDWIDTH IN USE [Mbit/s]	1000
UNUSED BANDWIDTH [Mbit/s]	9240
OUTPUT PORT PROPAGATION DELAY [ms]	10

Fig.35  
INFORMATION SETUP IN BANDWIDTH/DELAY MANAGEMENT TABLE  
(OUTPUT PORT 2 OF NODE B)

FIELD NAME	SET VALUE
PHYSICAL BANDWIDTH [Mbit/s]	10240
BANDWIDTH IN USE [Mbit/s]	2000
UNUSED BANDWIDTH [Mbit/s]	8240
OUTPUT PORT PROPAGATION DELAY [ms]	10

Fig.36

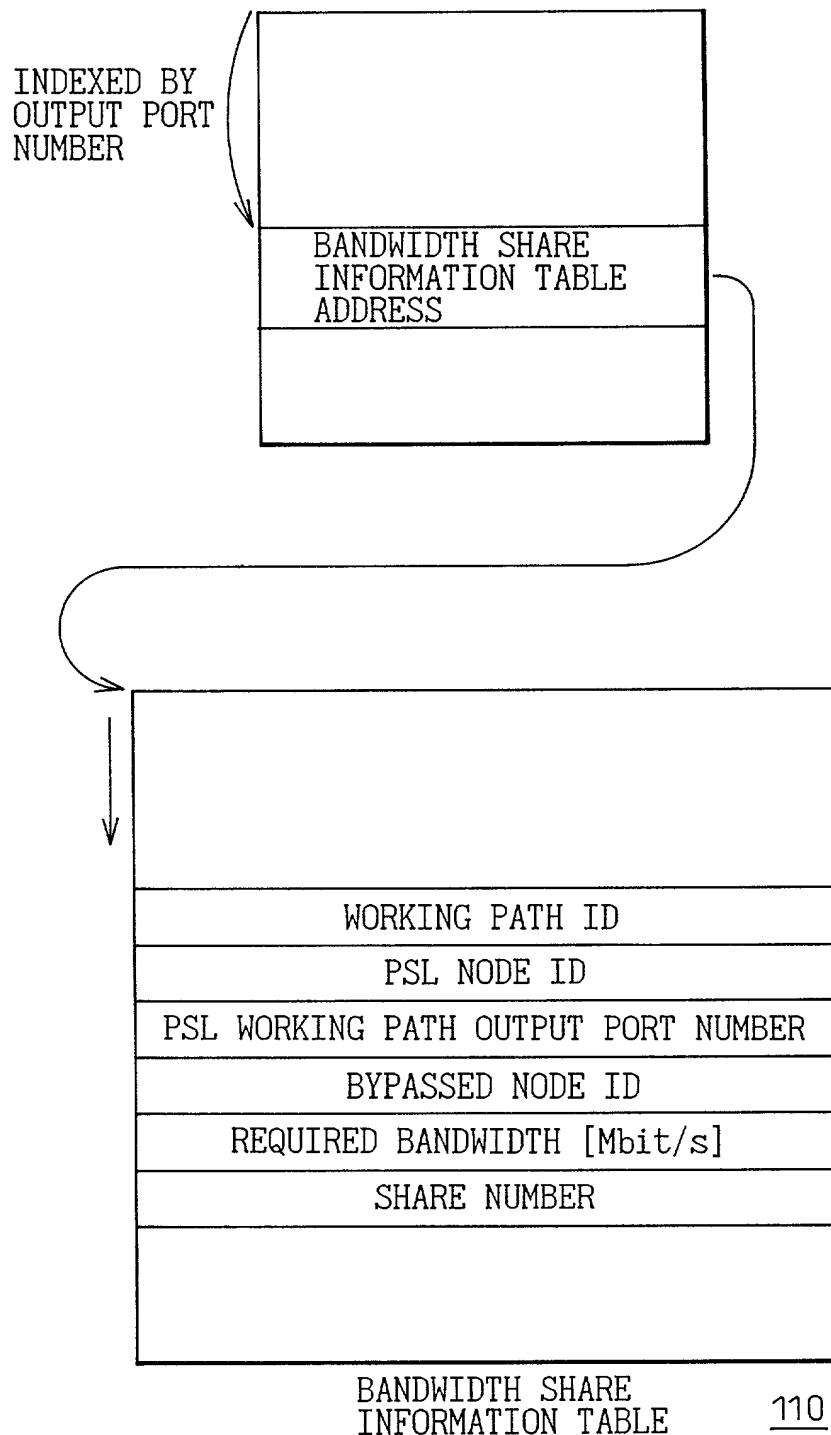


WORKING/PROTECTION STATUS  
MANAGEMENT TABLE

102

10039611-110901

Fig.37



10039511, 110901

Fig.38

INDEXED  
BY SHARE  
NUMBER

SHAREABLE BANDWIDTH [Mbit/s]
NUMBER OF SHARING PATHS

BANDWIDTH SHARE  
MANAGEMENT TABLE      112



Fig.39

